

1191986

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Current measuring transducers for measuring AC, DC, and distorted currents. Configuration via USB-C interface via the web server (without 24 V DC). Current measuring ranges: 0 A ... 125 A. Modbus/RTU interface configuration (RS-485), Standard configuration, Push-in connection

Commercial data

Item number	1191986
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C444
Product key	CMMA34
GTIN	4063151244200
Weight per piece (including packing)	141.2 g
Weight per piece (excluding packing)	141.2 g
Customs tariff number	85437090
Country of origin	DE



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Technical data

Product properties

Product type	Current measuring transducer
Insulation characteristics	
Insulation	Safe isolation in accordance with IEC/EN 61010-1
Overvoltage category	III (300 V)
Pollution degree	2

Electrical properties

Step response (10-90%)	200 ms (AC/DC)
	20 ms (DC)
Maximum temperature coefficient	< 0.03 %/K
Maximum transmission error	0.5 % (of nominal range value under nominal conditions)
Rated insulation voltage	300 V AC (to earth)

Electrical isolation IEC 61010-2-030

Standards/regulations	IEC 61010-2-030
Measuring category	III (300 V)

Electrical isolation Input/output

Test voltage	4 kV AC (50 Hz, 60 s)
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Electrical isolation Input/power supply

Test voltage	4 kV AC (50 Hz, 60 s)

Electrical isolation Output/supply

Test voltage	kV AC (50 Hz, 60 s)
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Supply

Nominal supply voltage	24 V DC
Nominal supply voltage range	12 V DC 24 V DC -20 % +25 %
Supply voltage range	9.6 V DC 30 V DC
Power consumption	≤ 1.8 W (30 V DC)

Input data

Measurement

modouroment.	
0 A AC 100 A AC	
-100 A DC 100 A DC	
0 A AC/DC 50 A AC/DC	
0 A AC/DC 9.4 A AC/DC	
0 A AC/DC 18.8 A AC/DC	
0 A AC/DC 62.5 A AC/DC (DIN/EN 61010-1)	
0 A AC/DC 125 A AC/DC (DIN/EN 61010-1)	
-125 A DC 125 A DC (DIN/EN 61010-1)	



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Overload capacity	2 x I _N (continuous), depending on the fed-through conductor
Surge strength	$20 \times I_N$ (1 s), depending on the fed-through conductor
Frequency measuring range	0 Hz
	10 Hz 100 Hz
	10 Hz 200 Hz
	10 Hz 500 Hz
	10 Hz 1000 Hz
Curve type	AC, DC or distorted currents

Connection data

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross-section rigid	0.2 mm² 2.5 mm²
Conductor cross-section flexible	0.2 mm² 2.5 mm²
Conductor cross-section AWG	24 13
Circular conductor	
Conductor cross-section rigid	25 mm²

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Interfaces

Conductor cross-section AWG

WBM

Designation	WBM: Default address, USB-C interface
IP address	192.168.128.1

Modbus RTU

Designation	Modbus/RTU interface configuration
Note	Register contents, see register table
Connection method	RS-485
Address setting	Modbus default address: 1
Parity	even
Stop bit	1
Data bits	8
Transmission speed	19200 baud

Dimensions

Item dimensions

Width	22.6 mm
Height	106.7 mm
Depth	113.8 mm
Depth (Device depth (DIN rail mounting))	114.5 mm (Snapped onto DIN rail NS 35/7,5 in accordance with EN 60715)

Circular conductor

Diameter	11 mm



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Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0 (Housing)
Housing material	PA 6.6-FR

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C 60 °C
	-40 °F 140 °F
Ambient temperature (storage/transport)	-40 °C 85 °C
Altitude	≤ 4000 m
Permissible humidity (operation)	≤ 95 % (non-condensing)

Approvals

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Certificate	CE-compliant
JKCA	
Certificate	UKCA-compliant
JL, USA/Canada	
Identification	Ind Cont Eq E238705-E196811

EMC data

Electromagnetic compatibility	Conformance with EMC directive
Low Voltage Directive	Conformance with Low Voltage Directive
Noise immunity	EN 61000-6-2
Noise emission	

Standards/regulations Standards and regulations

Standards/regulations IE	EC 61010-1
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EN 61000-6-4

Mounting

Mounting position	vertical or horizontal	



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Approvals

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cULus Listed

Approval ID: E238705



cULus ListedApproval ID: E196811



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Classifications

ECLASS

ECLASS-13.0	27210123
ECLASS-15.0	27210123
TIM	

ETIM

ETIM 9.0	EC002475
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)



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Accessories

SZS 0,6X3,5 - Screwdriver

1205053

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Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: $0.6 \times 3.5 \times 100$ mm, 2-component grip, with non-slip grip

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